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Term	Documents
(1 AND 3).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	26
(L3 AND L1).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	26

Database:

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L4

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DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

<u>L4</u>	L3 and l1	26	<u>L4</u>
<u>L3</u>	intravenous or inject\$6 or parental	987506	<u>L3</u>
<u>L2</u>	arabinogalactan	746	<u>L2</u>
<u>L1</u>	astragalus membranaceus	282	<u>L1</u>

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L4: Entry 26 of 26

File: DWPI

Dec 19, 1990

DERWENT-ACC-NO: 1991-267582

DERWENT-WEEK: 199137

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TITLE: Injection compsn. for anal-fistula - comprises Gleditia sinensis, Astragalus membranaceus, Coptis chinensis and centipede NoAbstract

INVENTOR: DENG, K

PATENT-ASSIGNEE:

ASSIGNEE

CODE

DENG K

DENG I

PRIORITY-DATA: 1990CN-0105504 (July 20, 1990)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
CN 1047806 A	December 19, 1990		000	
CN 1025590 C	August 10, 1994		000	A61K035/78

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
CN 1047806A	July 20, 1990	1990CN-0105504	
CN 1025590C	July 20, 1990	1990CN-0105504	

INT-CL (IPC): A61K 35/78

ABSTRACTED-PUB-NO:

EQUIVALENT-ABSTRACTS:

TITLE-TERMS: INJECTION COMPOSITION ANUS FISTULA COMPRISE SINENSIS ASTRAGALUS COPTIS CHINENSIS NOABSTRACT

DERWENT-CLASS: A96 B04

CPI-CODES: B04-A07F2; B04-B04M;

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1991-115990

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L4: Entry 25 of 26

File: DWPI

Aug 14, 1991

DERWENT-ACC-NO: 1991-239859

DERWENT-WEEK: 199133

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TITLE: New polysaccharide(s) extracted from Astragalus membranaceus - are immuno-modulators, and may be used to treat or prevent bacterial and viral infections, or in chemotherapy

INVENTOR: BOMBARDELL, E; POZZI, R

PATENT-ASSIGNEE:

ASSIGNEE

CODE

INDENA SPA

INDEN

PRIORITY-DATA: 1990IT-0019325 (February 9, 1990)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 441278 A	August 14, 1991		000	
CA 2035948 A	August 10, 1991		000	
IT 1238685 B	September 1, 1993		000	A61K000/00
JP 05039305 A	February 19, 1993		004	C08B037/00

DESIGNATED-STATES: AT BE CH DE ES FR GB GR IT LI LU NL SE

CITED-DOCUMENTS: 2.Jnl.Ref; EP 30444 ; US 4843067

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
EP 441278A	February 4, 1991	1991EP-0101424	
IT 1238685B	February 9, 1990	1990IT-0019325	
JP 05039305A	February 7, 1991	1991JP-0102196	

INT-CL (IPC): A61K 31/71; A61K 31/715; A61K 35/78; C08B 37/00

ABSTRACTED-PUB-NO: EP 441278A

BASIC-ABSTRACT:

Polysaccharides of mol. wt. 12000-500000 (125000-250000, and more specifically 456000 and 213000) Daltons are claimed. They are extracted from the roots of plants of the genus Astragalus (especially Astragalus membranaceus (I)).

More specifically, they are prepd. by extracting finely ground roots of (I) with aliphatic alcohols, then alcohol contg. 20-50% water. The extracts are then digested with aq. alkali at - to + 45 deg.C for 3-30 hrs. The polysaccharide fractions are purified by one or more of 3-claimed steps-e.g. pptn. of proteins by denaturation in acids or extn. with boiling water and concn. under reduced pressure. They are then pptd., dialysed, subjected to HPLC or lyophilised as appropriate.

USE/ADVANTAGE - The polysaccharides are useful in treatment and prevention of bacterial and viral injections (including the AIDS virus) and as immunomodulators. They are helpful in radiation antineoplastic and chemotherapy. Dose is oral or by injection at 10-100 mg/kg.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: NEW POLYSACCHARIDE EXTRACT ASTRAGALUS IMMUNO MODULATE TREAT PREVENT BACTERIA VIRUS INFECT CHEMOTHERAPEUTIC

DERWENT-CLASS: B04

CPI-CODES: B04-C02D; B12-A01; B12-A06; B12-C09; B12-D02B;

CHEMICAL-CODES:

Chemical Indexing M1 \*01\*

Fragmentation Code

M423 M710 M903 P210 P220 P433 P434 P861 V400 V406

V735

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1991-104233

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L4: Entry 18 of 26

File: EPAB

Aug 14, 1991

PUB-NO: EP000441278A1

DOCUMENT-IDENTIFIER: EP 441278 A1

TITLE: Polysaccharides with immunomodulating properties from astragalus membranaceus and pharmaceutical compositions containing them.

PUBN-DATE: August 14, 1991

## INVENTOR-INFORMATION:

NAME

COUNTRY

BOMBARDELLI, EZIO

IT

POZZI, ROBERTO

IT

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

INDENA SPA

IT

APPL-NO: EP91101424

APPL-DATE: February 4, 1991

PRIORITY-DATA: IT01932590A (February 9, 1990)

INT-CL (IPC): A61K 31/715; A61K 35/78; C08B 37/00

EUR-CL (EPC): C08B037/00

## ABSTRACT:

CHG DATE=19990617 STATUS=O> New glucanes (Astraglanes) and their mixture with other polysaccharides extracted from the roots and rhizomes of Astragalus membranaceus and other species, endowed with immunomodulating properties, are disclosed. These new products find their application as an aid in radiation antineoplastic therapy, in chemotherapy and in the treatment and prevention of bacterial and viral infections. Said products are active by oral route and after injection and are suitable for incorporation into the most common pharmaceutical formulations.